THURSDAY, JUNE 30, 1892.

THE LONDON UNIVERSITY OF THE FUTURE.

AMONG the many points discussed in relation to the schemes for providing London with a University which have been under consideration during the last few years, scarcely any reference has been made to the higher teaching which ought to be at the disposal of the citizens of the most important and largest city in the world. Attention has been almost exclusively directed to the class teaching necessary to pass certain examinations which open the door to professional employment.

It is not necessary to enlarge upon this remarkable omission, although the reason for it is not far to seek, but we think it may be desirable, in order to show that such teaching is not Utopian, and that other nations freely provide what is so conspicuous by its absence in London, to give an indication of the quantity and quality of the teaching in the metropolis nearest our own.

The indications, to be exhaustive, would occupy several pages of NATURE, we must perforce content ourselves by giving the courses open to the citizens of Paris at the Sorbonne and the Collège de France.

The question does not concern science alone. We have not, therefore, limited ourselves to the scientific subjects; and it will be understood that, besides the undergraduate and graduate courses, there are special courses connected with the many other institutions in Paris allied either with the various professions directly, or with the national culture generally.

Among the former we may content ourselves at present with referring to the École Normal and the École Polytechnique; among the latter are the Museums of Natural History, of Physical Science, of Antiquities, Art and Archæology, each of these with lectures on the subjects which are illustrated by their contents.

We shall, if possible, take a subsequent opportunity of giving lists of these special courses, but the lectures at the University and College alone exhaust our space for this week. Comment on the breadth of the teaching and of the men to whom it is confided in Paris, and on the absence of anything approaching it here, is needless.

SORBONNE: FACULTY OF SCIENCES.
1892—*Second Scholastic Term.*

Day	Hour	Subject	Professor
MONDAYS.	8.30	Differential and Integral Calculus: Ordinary Differential Equations and Equations with Derived Partials	Picard.
	8.45	Lectures on Geology: General ...	Vélain.
	9	Lectures on Chemistry: Manipulations for the Licentiate ...	Riban.
	10	Lectures in Natural Science ...	Chatin.
	10.30	Calculus of Probabilities: Mathematical Theory of Hydrodynamic Vortices and Application to Electrodynamics	Poincaré.
	11	Lectures on Chemistry: Theoretical and Practical Qualitative Analysis	Riban.
	1.30	Lectures on Physical Sciences: Thermodynamics	Pellat.
	2.45	Mineralogy and Crystallography: Principal Mineral Species ...	Hautefeuille.
	3	Lectures on Mathematical Sciences	Puiseux.
	5	Lectures on Chemistry	Joly.
TUESDAYS.	8.30	Astronomy: Programme for the Licentiate's Degree	Wolf.
	8.30	Lectures on Natural Sciences: Botany	Vesque.
	8.30	Lectures on Mineralogy	Jannettaz.
	9	Lectures on Natural Sciences: Identification of Rocks, &c. ...	Vélain.
	10	Mechanics and Experimental Physics: Properties of Elastic Solids, &c.	Boussinesq.
	10	Histology: General Character of Elementary Anatomy; Nervous and Muscular Tissue from an Histological Point of View: Zoology	Chatin.
	10.30	Lectures on Chemistry	Joly.
	2	Physics: Electricity	Lippmann.
	2	Lectures on Mathematical Sciences: Differential and Integral Calculus	Kaffy.
	3	Do. do. do. do.	Kaffy.
	3.30	Zoology, Anatomy, Physiology: Zoophites, &c.	Delage.
	3.30	Course on Spectroscopy and Photographic Chemistry	Salet.
WEDNESDAYS.	8.30	Mechanics. Dynamics of Systems	Appell.
	8.45	Lectures on General Geology ...	Velain.
	9	Lectures on Chemistry: Manipulations for the Licentiate ...	Riban.
	10.15	Higher Algebra: Theory of Euler's Integrals and Functions of a Variable	Hermite.
	1.30	Organic Chemistry: Compounds of the Aromatic Series	Friedel.
	2	Lectures on Mathematical Sciences	Blutel.
	3	Geology: Principal Characters of Geological Periods; Geological Formations	Munier-Chalma
	3	Lectures on Mechanics and Astronomy	Puiseux.
	3.45	Analytical Chemistry: Determination and Separation of Metals...	Riban.
	4	Lectures on Physical Sciences: Questions on the Subjects of Prof. Lippmann's Cours ...	Foussereau.
THURSDAYS.	8.30	Lectures on Physical Sciences. Thermodynamics	Pellat.
	8.30	Differential and Integral Calculus, &c.	Picard.
	9	Lectures on Natural Science: Identification of Rocks and the Principal Characteristic Fossils	Velain.
	9	Lectures on Chemistry: Manipulations for the Licentiate ...	Riban.
	10	Lectures on Natural Science ...	Chatin.
	10.30	Calculus of Probabilities and Mathematical Physics: Theory of Vortices. Hydrodynamics: Application to Electrodynamics	Poincaré.
	1	Chemistry Lectures and Manipulations for Professors of Colleges	Riban.
	1.30	Lectures on Physical Sciences: Reflection and Refraction of Light	Foussereau.
	1.30	Lectures on Mathematical Sciences as a Whole	Kœnigs.
	2.30	Do. do. do. do.	Kœnigs.
	2.45	Mineralogy and Crystallography, &c.	Hautefeuille.
	4	Lectures on Physical Sciences ...	Pellat.
	5	Lectures on Chemical Sciences ...	Joly.

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FRIDAYS.	8.30	Lectures on Physics	Pellat.
	8.30	Mechanics: Dynamics of Systems	Appell.
	8.30	Lectures on Botany	Vesque.
	9	Lectures on Chemistry and Manipulations for the Licentiate ...	Riban.
	9	Lectures on Geology: Identification of Rocks and the Principal Characteristic Fossils	Velain.
	10	Mechanical and Experimental Physics, &c.	Boussinesq.
	10.30	Organic Chemistry: Compounds of the Aromatic Series	Friedel.
	1	Lectures on Chemistry and Manipulations...	Riban.
	3	Lectures on Mathematical Sciences: Differential Calculus	Kaffy.
	3	Geology: Geological Periods; Secondary Formations	Munier-Chalma.
	4	Lectures on Physical Sciences: Subjects of Prof. Lippmann's Course	Foussereau.
	5.30	Lectures in Mathematical Sciences	Kaffy.
SATURDAYS.	8.30	Astronomy: Programme for the Licentiate	Wolf.
	8.30	Lectures on Mineralogy	Jannettaz.
	10.15	Higher Algebra: Euler's Integrals, &c.	Hermite.
	10.30	Lectures on Chemistry	Joly.
	2	Physics: Electricity	Lippmann.
	3	Lectures on Mathematical Sciences: Mechanics and Astronomy ...	Puiseux.
	3.30	Zoology, Anatomy, Comparative Physiology	Delage.
	3.30	Lectures on Organic Chemistry ...	Salet.

FACULTY OF LETTERS. 1892—*Second Term.*

Day	Hour	Subject	Professor
MONDAYS.	9.30	Lectures on French Literature ...	Gazier.
	11	Complementary Course in English Language and Literature ...	Beljame.
	1.15	Pedagogy Lectures (Historical Sciences), General Contemporaneous History	Seignobos.
	1.30	History of Ancient Philosophy: Moral and Political Doctrines of Aristotle	Waddington.
	1.30	Lectures on French Literature ...	Gazier.
	1.30	Lectures on German Language and Literature: History of the German Language	Lange.
	1.30	Lectures on Latin Language and Literature	Lafaye.
	2	History Lectures: General History of the Seventeenth and Eighteenth Centuries	Zeller.
	2.30	French Literature of the Middle Ages: History of the French Language: History of Literature in France in the Fourteenth Century. Froissart...	Julleville.
	3	Latin Language and Literature ...	Lafaye.
	3	Greek Eloquence: Greek Moralist Writers	Croiset.
	3	Foreign Literature: Æsthetic and Moral Literature of Goethe; General Character of Faust ...	Lichtenberger.
	3	Modern History: History of Legislation from the Sixteenth to the Eighteenth Centuries ...	Lemonnier.
	3.30	Literature of Southern Europe: Cervantes's Works	Gebhart.
	4	History of Philosophy: Modern Texts	Boutroux.
	4	Modern History: Practical Exercises	Lemonnier.
	4.15	Modern and Contemporaneous History: History of Russia in the Sixteenth Century	Rambaud.
	5	History of Modern Philosophy: Texts	Boutroux.
TUESDAYS.	9	French Literature: Practical Exercises	Larroumet.
	8.45	Ancient History: Commentary on a Text	Bouché Leclercq.
	9	Sanskrit, and Comparative Grammar of the Indo-European Languages, &c.	Henry.
	9.45	Ancient History: Greek and Roman Institutions	Bouché Leclercq.
	10	History of Ancient Philosophy ...	Waddington.
	10-11	Latin Poetry: Practical Exercises	Cartault.
	10.15	French Poetry: Explanation of one of the Authors from the Licentiate and Fellowship Programme	Lenient.
	10.30	History: Practical Exercises ...	Zeller.
	1.30	Discourses on Contemporaneous Philosophy	Janet.
	1.45	Ancient History: History of the Roman Empire from the Time of Nero	Guiraud.
	2	Letters of Southern Europe: Dante	Gebhart.
	2	Greek Language and Literature...	Hauvette.
	3	Geography: History of the Exploration of America since Columbus, &c.	Himly.
	3	French Literature: Practical Exercises	Larroumet.
	3.15	Latin Language and Literature: History of Latin Literature ...	Lafaye.
	4.15	Greek Language and Literature...	Hauvette.
	4.45	History of Philosophy: Systems of Spinoza and Malebranche ...	Brochard.
WEDNESDAYS.	9	French Eloquence...	Crouslé.
	9.15	Pedagogy (Historical Sciences) ...	Seignobos.
	9.30	Sanskrit: Relations of India with the West...	Levi.
	10	Archæology: History of Vase-painting in Greece	Collignon.
	10.30	Philosophy	Janet.
	11	Archæology: Practical Exercises in Archæology	Collignon.
	1	Latin Eloquence: on Roman Eloquence under the Republic ...	Martha.
	1.30	Ancient History	Guiraud.
	1.30	French Literature: French Literature in the Seventeenth Century	Gazier.
	1.30	Mental Philosophy	Seailles.
	2.15	History of French Colonization and Beginning of the French Restoration	Pigeonneau.
	2.30	Ancient History: Practical Exercises	Guiraud.
	2.30	Philosophy	Seailles.
	2.45	Philology and Metre: Written and Oral Exercises on Metre ...	Havet.
	3.30	History of the French Revolution: History of the National Constitution	Aulard.
	3.30	Sanskrit, and Comparative Grammar of the Indo-European Languages	Henry.
	4	History: Practical Exercises ...	Pigeonneau
	4	Greek Poetry: Lyric Element of Greek Tragedy	Decharme
	4.45	History of Modern Philosophy: Idea of Natural Law, &c. ...	Boutroux.
	5	Sanskrit, and Comparative Grammar of the Indo-European Languages	Henry.
	5	English Language and Literature	Baret.

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Day	Hour	Subject	Professor
THURSDAYS.	8.30	History of the French Revolution: Exercises...	Aulard.
	9	Greek Literature and Institutions: Correction of Greek Themes, &c.	Girard.
	9.30	History of the French Revolution: Explanation of Titles ...	Aulard.
	9.30	Lectures on the History of Philosophy: Practical Exercises ...	Brochard.
	10	Latin Poetry: Passages from Lucretius...	Cartault.
	10	Lectures on English Language and Literature: Practical Exercises	Baret.
	10.15	Lectures on Greek Literature and History: Explanation of the Authors in the Programme ...	Girard.
	10.30	Lectures on the History of Philosophy	Brochard.
	10.45	History Lectures: Bassoinpierre's Memoirs	Zeller.
	1	English Language and Literature: Shakespeare—French Literature	Beljame.
	1.30	Lectures on German Language and Literature: Correction of Themes and Dissertations ...	Lange.
	2	French Poetry: Patriotic Poetry in France since the 16th Century	Lenient.
	2	English Language and Literature: Othello	Beljame.
	2	Roman Philology: First Chapters of Dante's Inferno	Thomas.
	3	Foreign Literature: Preparation for the Examination in German	Lichtenberger.
	3	Modern History: Relation of French Art to Institutions, &c.	Lemonnier.
	3.30	French Literature of the Middle Ages	Julleville.
	4	Foreign Literature: Preparation for the Examination in German	Lichtenberger.
	4.15	Geography: History of the Exploration of America since Columbus	Himly.
FRIDAYS.	9	Course of Roman Philology: Explanation of Texts with French, &c.	Thomas.
	9	Complementary Course: Auxiliary Sciences—on the History of Latin Literature	Langlois.
	9.15	Latin Eloquence: Explanation of Latin Authors	Martha.
	9.30	Complementary Course in Sanskrit: Explanation of Elementary Texts	S. Levi.
	10	Complementary Course in Philology and Metre: on Metre ...	Havet.
	10	Complementary Course of Roman Philology: History of the Literature	Thomas.
	10.15	Lectures on Pedagogy: Theory of History Teaching	Seignobos.
	1	Lectures on Greek Language and Literature: History of Greek Literature	Hauvette.
	2.30	Greek Poetry: Explanation of Texts, and Practical Exercises	Decharme.
	2.30	History of the Middle Ages: on French Ecclesiastical Institutions	Luchaire.
	3.30	Practical Exercises in History ...	Luchaire.
	3.30	Ancient History: History of Rome from Scylla to Cæsar	Bouché Leclercq
	3.30	Greek Poetry: Explanation of Texts, and Practical Exercises	Decharme.
	4	Modern and Contemporaneous History: History of the Hindus under Queen Victoria ...	Rambaud.
	4.15	French Literature (Complementary Course): History of French Literature in the 18th Century	Larroumet.
	4.45	Lectures on Geography: Text of the Programme	Dubois.

Day	Hour	Subject	Professor
SATURDAYS.	9	Greek Eloquence: Explanation of Greek Texts and Letters, &c. ...	Croiset.
	9	Complementary Course: Auxiliary Sciences—on the History of Palæography	Langlois.
	10	Complementary Course in Literature: on the Archæology of the Middle Ages	Langlois.
	10.15	French Eloquence: French Writers of Prose in the Nineteenth Century	Croiset.
	10.15	Lectures on Greek Literature and History: History of Greek Poetry since the Fifth Century	Girard.
	1.30	Greek Eloquence: Practical Exercises	Crouslé.
	1.30	Lectures on German Language and Literature	Lange.
	1.30	Lectures on Philosophy	Seailles.
	2	Lectures on Geography: Various Questions in General Geography	Dubois.
	3	Latin Poetry: Lucretius and Latin Poetry during the Ciceronian Epoch	Cartault.
	3	Archæology: Sculpture in Greece to the Fifth Century	Collignon.
	3	Lectures on Geography: Practical Exercises	Dubois.
	4	History: History of the Doctrine of Economics during the first part of the Nineteenth Century ...	Pigeonneau.

COLLÈGE DE FRANCE.

1892—*Second Term.*

Day	Hour	Subject	Professor
MONDAYS.	9	Modern Philosophy: concerning the Soul	Nourrisson.
	9	Natural History of Inorganic Bodies	Fouqué.
	10	Language and Literature of the Arabs: Moallakat and Divans of Six Poets	B. de Meynard.
	10.15	Æsthetics and History of Art: History of Italian Art under Pius II.	Lafenestre.
	10.15	Celtic Languages and Literature: Ancient and Middle Irish Texts	H. d'Arbois de Jubainville.
	10.30	Organic Chemistry: on Organic Synthesis and Hydrocarbons ...	Berthelot.
	11.15	Comparative Grammar: Theory of the Verb in Indo-European Languages	Bréal.
	12.30	Egyptian Philology and Archæology: Pyramid Texts	Maspero.
	1.30	History of Latin Literature: History of the Latin Theatre ...	Boissier.
	2.30	Greek Epigraphy and Antiquities: Athenian Constitution of Aristotle	Foucart.
	3	History of Religion: History of Judaism during the last Four Centuries of the Christian Era	Réville.
	3.15	Experimental and Comparative Psychology: Will, Heredity, Perception	Ribot.
	3.30	Semitic Epigraphy and Antiquities, with Epigraphic Texts	Clermont-Ganneau.
	4.45	Latin Philology: on the Prosody of Vowels in the Latin Language	Havet.

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Day	Hour	Subject	Professor
TUESDAYS.	9	History of Latin Literature ...	Boissier.
	10	Assyrian Philology and Archæology: Deciphering of the Assyrian Characters	Oppert.
	10.30	General and Experimental Physics: on the Optics of the Atmosphere	Mascart.
	1	Greek and Latin Philosophy: Epicurean Doctrine	Lévêque.
	1	Languages and Literatures of Slavonic Origin	Leger.
	1	Analytical and Celestial Mechanics: Applications, &c. ...	Kœnigs.
	1.30	General History of Science: Advent of Grecian Geometry: Abstract Science	P. Lafitte.
	2	History of Comparative Legislation: Political Writings of J. de Maistre	J. Flach.
	2	Geography: Economic Statistics and History: on French Colonization	Levasseur.
	3	Robert Browning's Poems ...	Guizot.
	3.15	Political Economy: John Stuart Mill: Principles of Political Economy...	Leroy-Beaulieu.
WEDNESDAYS.	10	French Language and Literature of the Middle Age: Life of St. Alexis	G. Paris.
	11.15	Language and Literature of Southern Europe	Meyer.
	12.30	Grecian Language and Literature: Sophocles	Rossignol.
	12.30	Egyptian Philology and Archæology: History of Egyptian Feudalism	Maspero.
	1	General Physics and Mathematics: Mechanical Properties of Electric Currents	Deprez.
	1.30	Mineralogical Chemistry: Chemical Analysis and History of the Metals	Schützenberger.
	2	Hebrew Language and Literature: Chaldean and Syrian Languages and Literatures	E. Renan.
	2	Comparative Embryology: Physiological *rôle* of the Cellular Nucleus	Balbiani.
	2	Modern French Language and Literature: French Romantic School	Deschanel.
	3	Sanscrit Language and Literature: Extracts from Mahâbhârata ...	Foucaux.
	3.30	Semitic Epigraphy and Antiquities: Hebrew Inscriptions of Jerusalem	Clermont-Ganneau.
	3.30	Natural History of Organic Bodies	F. Franck.
	4.30	Medicine: on the Muscle, and Animal Thermodynamics ...	D'Arsonval.
	5	General Anatomy: on the Vascular System	Ranvier.
THURSDAYS.	9	History and Morals	Longnon.
	9	Natural History of Inorganic Bodies: Work of Richthofen on the Geology of China	Fouqué.
	10	Assyrian Philology and Archæology	Oppert.
	10.15	Æsthetics and History of Art: History of Italian Art under Peter II....	Lafenestre.
	11.30	Language and Literature of Southern Europe: Roman de Jaufré	Meyer.
	12.45	Mathematics: Principles of the Infinitesimal Calculus	Jordan.
	1	Roman Epigraphy and Antiquities	Cagnat.
THURSDAYS (*cont.*)	2.15	Russian History from Catherine II. to Alexander I.	Leger.
	3	Chinese Language and Literature: Tartar and Manchu Language and Literature	[Denis. D'Hervey de St.
	3	History of Religion: History of Judaism during the last Four Centuries	Réville.
	3.15	Experimental and Comparative Physiology	Ribot.
FRIDAYS.	10	Arabic Language and Literature:	Barbier de Meynard.
	10.15	Celtic Language and Literature ...	H. d'Arbois de Jubainville.
	10.30	Organic Chemistry: Hydrocarbons in particular	Berthelot.
	11.15	Comparative Grammar: Theory of the Verb in Indo-European Languages	Bréal.
	12.30	Greek Language and Literature: Sophocles...	Rossignol.
	12.30	Works of Robert Browning ...	Guizot.
	1	Greek and Latin Philosophy: Doctrines of Epicurus	Lévêque.
	1	Analytical and Celestial Mechanics, Geometrical and Mechanical Applications	Kœnigs.
	12.45	Roman Epigraphy and Antiquities: French and Foreign Inscriptions	Cagnat.
	1.45	Greek Epigraphy and Antiquities: Mysteries of Eleusis	Foucart.
	2	History of Comparative Legislation: Landed Property in England and France since the Eighteenth Century	Flach.
	2	Persian Language and Literature: Relation between the Pehlvi and Persian	Darmesteter.
	2	Geography: Economic History and Statistics (Algeria, Colonies)	Levasseur.
	3.15	Political Economy: on Public Revenues and Imports ...	Leroy-Beaulieu.
	3.30	Natural History of Organic Bodies	Franck.
	4.30	Medicine: Animal Muscle and Thermodynamics	D'Arsonval.
	5	General Anatomy: on the Vascular System	Ranvier.
SATURDAYS.	9	Modern Philosophy: Spinoza ...	Nourrisson.
	10	French Language and Literature of the Middle Ages: Life of St. Alexis	G. Paris.
	10.30	Experimental and General Physics: Optics of the Atmosphere ...	Mascart.
	12.45	Mathematics: Principles of the Infinitesimal Calculus	Jordan.
	1	Mathematics and General Physics: Electric Currents	Marcel Deprez.
	1	French Language and Literature: Principal Writers	Deschanel.
	1.30	Mineralogical Chemistry: Analytical Chemistry and History of the Metals	Schützenberger.
	2	Persian Language and Literature: Relation between the Pehlvi and Persian	Darmesteter.
	2	Comparative Embryology ...	Balbiani.
	2	General History of the Sciences...	P. Lafitte.
	3	Chinese Language and Literature: Tartar and Manchu Language and Literature	[Denis. D'Hervey de St.
	2.30	Hebrew, Chaldean, and Syrian Languages and Literatures ...	E. Renan.
	3	Sanskrit Language and Literature: Lalila Vistara (Life of Buddha)	Foucaux.
	4.45	Latin Philology: Palæography of the Latin Classics	Havet.

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